

PRODUCTION PROCESS OF LIQUID DISPERSION OF FINE SILICA PARTICLES

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Abstract of JP 2002145609 (A)

PROBLEM TO BE SOLVED: To provide a liquid dispersion of fine silica particles, which is produced by subjecting fine porous silica secondary particles formed through agglomeration of silica primary particles, to colloidal dispersion in water and also to provide a production process of the liquid dispersion. **SOLUTION:** This production process of the liquid dispersion comprises heating an aqueous solution containing at least one compound selected from active silica and alkoxy silanes to form a liquid suspension containing agglomerates each consisting of fine silica particles, adding an active-silica- containing aqueous solution and/or an alkoxy silane by portions to the resulting liquid suspension in the presence of alkali to grow fine silica particles in the liquid suspension, and thereafter, subjecting the liquid suspension to wet pulverization.

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